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   Sommario/riassunto It is our great pleasure to welcome you to the Sixth Workshop on
                      Attacks and Solutions in Hardware Security 2022 (ASHES 2022), a post-
                      conference satellite workshop of the ACM Conference on Computer and
                      Communications Security 2022 (CCS 2022). Due to the ongoing
                      pandemic and to provide greater flexibility for attendees in areas where
                      travel was still inconvenient, ASHES was held in hybrid mode this year.
                      ASHES deals with all theoretical and practical aspects of hardware
                      security and welcomes any contributions to this area. Besides being a
                      mainstream platform for disseminating fundamental research on
                      hardware security, the workshop encourages and promotes emerging
                      and new ideas. It includes topics like physical attacks on electronic
                      circuits, secure hardware designs to counter such attacks, lightweight
                      secure designs, post-quantum cryptographic circuits, or emerging
                      topics at the intersection of nanotechnology and hardware security,
                      such as physically unclonable functions (PUFs). The workshop also
                      focusses on recent applications like the internet of things, automotive
                      security, smart homes, or pervasive and wearable computing. ASHES
                      thereby aims at giving researchers and practitioners a unique
                      opportunity to mutually share their perspectives with each other.